SEQUENCE LISTING

<110> IMMUCON INC.
    SULLIVAN, Robert
    BERUBE, Bruno
    LEGARE, Christine
    GAUDREAULT, Christian

<120> ACROSOMAL SPERM PROTEIN AND USES THEREOF

<130> 13045-2PCT  FC/ld

<150> US09/090,567
<151> 1998-06-05

<160> 8

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 1051
<212> DNA
<213> Artificial Sequence

<220>
<221> CDS
<222> (124)...(856)
<223> p26h cDNA

<400> 1
gtccctggag gttggctgta ggattcaggt ggcttgctca ggctgggatc aaggacacag        60
tgagcagatc aacttaacc tcagcccctc ccctgccac aggaggacac tggtgtcagc        120
agc atg aag ctg aat ttc act ggt ctc agg gct ctg gtg acc ggg gca        168
    Met Lys Leu Asn Phe Thr Gly Leu Arg Ala Leu Val Thr Gly Ala
    1               5                   10                  15

ggg aga ggg att ggg cga ggc act gcg aaa gcc ctg cat gcc tca gga        216
Gly Arg Gly Ile Gly Arg Gly Thr Ala Lys Ala Leu His Ala Ser Gly
            20                  25                  30

gcc aaa gtg gtg gcc gtg tca ctc atc aac gaa gac ctg gtc agc ctg        264
Ala Lys Val Val Ala Val Ser Leu Ile Asn Glu Asp Leu Val Ser Leu
            35                  40                  45

gcc aaa gag tgt ccg ggc ata gag cct gtg tgt gtg gac ctg ggt gac        312
Ala Lys Glu Cys Pro Gly Ile Glu Pro Val Cys Val Asp Leu Gly Asp
        50                  55                  60

tgg gag gcc aca gag aag gca ctg ggc cgt att ggc ccc gtg gac ctg        360
Trp Glu Ala Thr Glu Lys Ala Leu Gly Arg Ile Gly Pro Val Asp Leu
        65                  70                  75

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ctg gtg aac aat gcg gcg gtg gcg cta gtg cag cct ttc ata cag tct          408
Leu Val Asn Asn Ala Ala Val Ala Leu Val Gln Pro Phe Ile Gln Ser
 80                  85                  90                  95

acc aag gag gtc ttt gac agg tcc ttc aat gtg aat gtg cgc tct gtg          456
Thr Lys Glu Val Phe Asp Arg Ser Phe Asn Val Asn Val Arg Ser Val
                   100                 105                 110

ctg caa gtg tcc cag atg gta gcc aag ggc atg att aac cgt gga gtg          504
Leu Gln Val Ser Gln Met Val Ala Lys Gly Met Ile Asn Arg Gly Val
               115                 120                 125

gca gga tcc att gtc aac atc tcc agc atg gtg gcc tat gtc acc ttc          552
Ala Gly Ser Ile Val Asn Ile Ser Ser Met Val Ala Tyr Val Thr Phe
           130                 135                 140

cct ggt ctg gcc acg tac agc tcc acc aag ggt gct ata acc atg ctg          600
Pro Gly Leu Ala Thr Tyr Ser Ser Thr Lys Gly Ala Ile Thr Met Leu
       145                 150                 155

acc aag gct atg gcc atg gag ctg gga cca tac aag atc cgg gtg aac          648
Thr Lys Ala Met Ala Met Glu Leu Gly Pro Tyr Lys Ile Arg Val Asn
161                 165                 170                 175

tct gta aat cct acc gtg gtg ctg act gac atg ggc aag aaa gtc tct          696
Ser Val Asn Pro Thr Val Val Leu Thr Asp Met Gly Lys Lys Val Ser
                   180                 185                 190

gca gat cct gaa ttt gcc aag aag ctc aag gag cgc cac cca ctg agg          744
Ala Asp Pro Glu Phe Ala Lys Lys Leu Lys Glu Arg His Pro Leu Arg
               195                 200                 205

aag ttt gct gag gtg gag gac gtg gtc aac agc atc ctc ttc ctg ctc          792
Lys Phe Ala Glu Val Glu Asp Val Val Asn Ser Ile Leu Phe Leu Leu
           210                 215                 220

agc gac agc agc gcc tct acc agc ggc tct ggc atc ctg gtg gac gct          840
Ser Asp Ser Ser Ala Ser Thr Ser Gly Ser Gly Ile Leu Val Asp Ala
       225                 230                 235

ggt tac ctt gcc tcc t agacggccca ggtgcagggg actcctggag acttcctgg        886
Gly Tyr Leu Ala Ser
240

cctcactctt aaatcaagac ccggccttca atccaaccca ataattttgt tcgaatcctg         966
tagagtcccc ctccacacac atccatcccc aactttagac tccgggatcc cgccattcca        1016
tatcagctat gctgagataa tttgattaaa taagtatccc aaaccacaaa aaaaaaaaaa        1056
aaaaa                                                                    1061
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&lt;210&gt; 2
&lt;211&gt; 244
&lt;212&gt; PRT
&lt;213&gt; Artificial Sequence

<220>
<223> p26

<400> 2

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
Met Lys Leu Asn Phe Thr Gly Leu Arg Ala Leu Val Thr Gly Ala Gly
 1                   5                   10                  15
Arg Gly Ile Gly Arg Gly Thr Ala Lys Ala Leu His Ala Ser Gly Ala
            20                  25                  30
Lys Val Val Ala Val Ser Leu Ile Asn Glu Asp Leu Val Ser Leu Ala
            35                  40                  45
Lys Glu Cys Pro Gly Ile Glu Pro Val Lys Val Asp Leu Gly Asp Trp
            50                  55                  60
Glu Ala Thr Glu Lys Ala Leu Gly Arg Ile Gly Pro Val Asp Leu Leu
65                  70                  75                  80
Val Asn Asn Ala Ala Val Ala Leu Val Gln Pro Phe Ile Gln Ser Thr
                85                  90                  95
Lys Glu Val Phe Asp Arg Ser Phe Asn Val Asn Val Arg Ser Val Leu
            100                 105                 110
Gln Val Ser Gln Met Val Ala Lys Gly Met Ile Asn Arg Gly Val Ala
            115                 120                 125
Gly Ser Ile Val Asn Ile Ser Ser Met Val Ala Tyr Val Thr Phe Pro
            130                 135                 140
Gly Leu Ala Thr Tyr Ser Ser Thr Lys Gly Ala Ile Thr Met Leu Thr
145                 150                 155                 160
Lys Ala Met Ala Met Glu Leu Gly Pro Tyr Lys Ile Arg Val Asn Ser
                165                 170                 175
Val Asn Pro Thr Val Val Leu Thr Asp Met Gly Lys Lys Val Ser Ala
                180                 185                 190
Asp Pro Glu Phe Ala Lys Lys Leu Lys Glu Arg His Pro Leu Arg Lys
            195                 200                 205
Phe Ala Glu Val Glu Asp Val Val Asn Ser Ile Leu Phe Leu Leu Ser
            210                 215                 220
Asp Ser Ser Ala Ser Thr Ser Gly Ser Gly Ile Leu Val Asp Ala Gly
225                 230                 235                 240
Tyr Leu Ala Ser

<210> 3
<211> 912
<212> DNA
<213> Artificial Sequence

<220>
<223> P34 cDNA

<400> 3
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gacaaaagct ggagctccac cgcggtggcg gccgctctag aactagtgga tcccccgggc      60
tgcaggaatt cggcacgagc cgacatggag ctgttcctcg cgggccgcgc ggtgctggtc     120
accgggggcag gcaaaggtat agggcgcggc acgtccagg cgctgcacgc gacgggcgcg     180
cgggtggtgc ctgtgagccg gactcaggcg gatcttgaca gccttgtccg cgagtgcccg     240
ggatagaac ccgtgtgcgt ggacctgggt gactgggagg ccaccgagcg gggcgctgggc     300
agcgtgggcc ccgtggacct gctggtgaac aacgccgctg tcgccctgct gcagcccttc     360
ctggaggtca ccaaggaggc ctttgacaga tcctttgagg tgaacctgcg tgcggtcatc     420
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```
caggtgtcgc agattgtgtc cagggggctta atagcccggg gagtaccagg ggccatcgtg     480
aatgtctcca gccagtgctc ccagcgggca gtaactaacc atagcgtcta ctgctccacc     540
aagggtgccc tggacatgct gaccaaggtg atggccctag agctcgggcc ccacaagatc     600
cgagtgaatg cagtaaaccc cacagtggtg atgacgtcca tgggccaggc cacctggagt     660
gaccccaca aggccaagac tatgctgaac cgaatcccac ttggcaagtt tgctgaggta     720
gagcacgtgg tgaacgccat cctctttctg ctgagtgacc gaagtggcat gaccacgggt     780
tccactttgc cggtggaaag gggcttctgg gcctgctgag ctccctccac acacctcaag     840
gggatgccg tgctcatcct acccccaatc cctccaataa acctgattct gctcccaaaa     900
aaaaaaaaa aa     912
```

<210> 4
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> P34 antigenic fragment

<400> 4
Met Gln Leu Phe Leu Ala Gly Arg Arg Val Leu
1               5                   10

<210> 5
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Antigenic Fragment of P34

<400> 5
Cys His Lys Ala Lys Thr Met Leu Asn Arg Ile
1               5                   10

<210> 6
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> cDNA for use as primer

<400> 6
gtgacagggg cagggaaagg g     21

<210> 7
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> cDNA for use as primer

<400> 7

gcaactgagc agactaggag c                                                                          21

        <210> 8
        <211> 19
        <212> PRT
        <213> Artificial Sequence

        <220>
        <223> P26h

        <220>
        <221> VARIANT
        <222> (1)...(19)
        <223> Xaa = Any Amino Acid

        <400> 8
Met Lys Leu Asn Phe Ser Xaa Leu Arg Leu Val Thr Gly Ala Gly Lys
 1               5                   10                  15
Gly Ile Gly